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**INFORMATION DISCLOSURE
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Substitute for form 1449/PTO

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Filing Date	02-10-2009
First Named Inventor	Fuller, Edward Nelson
Art Unit	
Examiner Name	
Attorney Docket Number	24872

10589599 - GAU: 3753

NON-PATENT LITERATURE DOCUMENTS

Examiner Cite
 Initials No.

	1	BOOTH, STEVE AND KAINA, RACHID, Fluid Handling – Big Gains from Tiny Valve, Appliance Design (April 2008), pages 46-48.	
	2	Controls Overview for Microstaq Silicon Expansion Valve (SEV), Rev. 1, December 2008, http://www.microstaq.com/pdf/SEV_controls.pdf , accessed May 17, 2010.	
	3	COPELAND, MICHAEL V., Electronic valves promise big energy savings, FORTUNE (September 9, 2008), http://techland.blogs.fortune.cnn.com/2008/09/09/electronic-valves-promise-big-energy-savings , accessed September 9, 2008.	
	4	HIGGINBOTHAM, STACEY, Microstaq's Tiny Valves Mean Big Energy Savings, http://earth2tech.com/2008/09/09/microstaqs-tiny-valves-mean-big-energy-savings (posted December 8, 2008), accessed September 9, 2008.	
	5	KEEFE, BOB, Texas firm says value-replacing chip can drastically cut energy use, Atlanta Metro News (September 10, 2008), http://www.ajc.com/search/content/shared/money/stories/2008/09/microstaq10_cox-F9782.html , accessed September 10, 2008.	
	6	LUCKEVICH, MARK, MEMS microvalves: the new valve world, Valve World (May 2007), pages 79-83.	
	7	MEMS, Microfluidics and Microsystems Executive Review, http://www.memsinvestorjournal.com/2009/04/mems-applications-for-flow-control-.html , accessed May 17, 2010.	
	8	Microstaq Announces High Volume Production of MEMS-Based Silicon Expansion Valve, http://www.earthtimes.org/articles/printpresstory.php?news+1138955 (posted January 27, 2010), accessed January 27, 2010.	
	9	Microstaq Product Description, Proportional Direct Acting Silicon Control Valve (PDA-3), http://www.microstaq.com/products/pda3.html , accessed May 17, 2010.	
	10	Microstaq Product Description, Proportional Piloted Silicon Control Valve (CPS-4), http://www.microstaq.com/products/cps4.html , accessed May 17, 2010.	
	11	Microstaq Product Descriptions, SEV, CPS-4, and PDA-3, http://www.microstaq.com/products/index.html , accessed May 17, 2010.	
	12	Microstaq Technology Page, http://www.microstaq.com/technology/index.html , accessed May 17, 2010.	
	13	Press Release, Freescale and Microstaq Join Forces on Smart Superheat Control System for HVAC and Refrigeration Efficiency, http://www.microstaq.com/pressReleases/prDetail_04.html (posted January 22, 2008), accessed May 17, 2010.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.R./

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| 14 | Press Release, Microstaq Mastering Electronic Controls for Fluid-Control Industry, http://www.microstaq.com/pressReleases/prDetail_02.html (posted May 5, 2005), accessed May 17, 2010. |
| 15 | Press Release, Microstaq Unveils Revolutionary Silicon Expansion Valve at Demo 2008, http://www.microstaq.com/pressReleases/prDetail_05.html (posted September 8, 2008), accessed May 17, 2010. |
| 16 | Press Release, Nanotechnology Partnerships, Connections Spur Innovation for Fluid Control Industries, http://www.microstaq.com/pressReleases/prDetail_03.html (posted June 9, 2005), accessed May 17, 2010. |
| 17 | Product Review, greentechZONE Products for the week of May 18, 2009, http://www.engenius.net/site/zones/greentechZONE/product_reviews/grnp_051809 , accessed May 17, 2010. |
| 18 | SEV Installation Instructions, http://www.microstaq.com/pdf/SEV_Instruction_sheet.pdf , accessed May 17, 2010. |
| 19 | Silicon Expansion Valve (SEV) – For Heating, Cooling, and Refrigeration Applications, http://www.microstaq.com/pdf/SEV_Quicksheet.pdf , accessed May 17, 2010. |
| 20 | Silicon Expansion Valve Data Sheet, http://www.microstaq.com/pdf/SEV_Datasheet_1_8.pdf , accessed May 17, 2010. |
| 21 | Silicon Expansion Valve Information Sheet, http://www.microstaq.com/pdf/SEV_Infosheet_2_0.pdf , accessed May 17, 2010. |
| 22 | SMIC Announces Successful Qualification of a MEMS Chip for Microstaq, http://www.primewire.com/news-releases/smic-announces-successful-qualification-of-a-mems-chip-for-microstaq-65968252.html (posted October 26, 2009), accessed May 17, 2010. |
| 23 | SMIC qual Microstaq MEMS chip for fluid control, http://www.electroiq.com/ElectroIQ/en-us/index/display/Nanotech_Article_Tools_Template.articles.small-times.nanotechmems.mems.microfluidics.2009.10.smic-quals_microstaq.html , (posted October 26, 2009), acc |
| 24 | Tiny Silicon Chip Developed by Microstaq Will Revolutionize Car Technology, http://www.nstf.org/press/PRshow.html?id=160 (posted May 19, 2005), accessed May 19, 2005. |
| 25 | TURPIN, JOANNA R., Soft Economy, Energy Prices Spur Interest in Technologies, http://www.achmews.com/copyright/BNP_GUID_9-5-2006_A_10000000000000483182 , accessed May 18, 2010. |
| 26 | UIBEL, JEFF, The Miniaturization of Flow Control (Article prepared for the 9th International Symposium on Fluid Control Measurement and Visualization (FLUCOME 2007)), Journal of Visualization (Vol. 11, No. 1, 2008), IOS Press. |

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.R./

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Examiner Signature	/Andrew Rost/	Date Considered	02/12/2011
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